TRAINING PROGRAM OF INSTRUCTION (TPI)

FOR

DINFOS-BMIC

BASIC MULTIMEDIA ILLUSTRATOR COURSE



Approved by:

Hiram Bell, Jr. Colonel, U.S. Army Commandant Defense Information School

Approval Date: 23 May 2005

Supersedes TPI Dated: 15 December 2003



BASIC MULTIMEDIA ILLUSTRATOR COURSE

TRAINING PROGRAM of INSTRUCTION

Table of Contents

<u>Element</u>	<u>Page</u>
Preface	3
Functional Area 1 – Illustration and Design	6
Realistic Drawing	
Typography	
Layout and Design	
Functional Area 2 – Digital Graphic Design	10
Computer Fundamentals	
Digital Page Layout and Design	
Vector-based Graphic Design	
Image Editing/Raster-based Design	
Desktop Publishing	
Digital Graphic Design Project	
Functional Area 3 – Multimedia Design	` 15
Presentation Software	
Digital Audio and Digital Video	
Web Page	
Multimedia Authoring Software	
Functional Area 4 – Course Administration	20
Inprocessing/Orientation	
Course Evaluation	
Outprocessing/Graduation	

TRAINING PROGRAM OF INSTRUCTION

Preface

TRAINING PROGRAM OF INSTRUCTION FILE NUMBER: DINFOS-BMIC

TITLE: Basic Multimedia Illustrator Course

TRAINING LOCATION: Fort George G. Meade, Maryland

SPECIALTY AWARDED: USA 25M

USAF 3V031 USMC 4611

PURPOSE: To provide students the skills required to perform and fulfill the duties and responsibilities of the graphic/multimedia career field.

COURSE DESCRIPTION: The scope of training includes: principles of design and layout; fundamentals of color theory; fundamentals of realistic drawing; color media; perspective; fundamentals of lettering; printing reproduction; electronic imaging systems; elements of graphic design; image editing; desktop publishing; multimedia and telecommunications software; image scanners; digitizing devices; output to black and white and color printers; film and video recorders; plotters; image/data transmission; art work files; imagery captions; Visual Information Record Identification Numbers (VIRIN); archiving data/image files; computer management; computer hardware and software, systems configuration; computer graphics raster and vector software; electronic presentations; ethics; visual communications; web page design software; animation software; digitized audio and video software; combat documentation (reference sketches) graphics; customer relations, and operator maintenance; safety and security.

PREREQUISITES / SECURITY CLEARANCE:

USA - Enlisted E1-E6. ST & EL+95 (Min) Normal color vision. Moderately heavy physical demands. High school/GED equivalent, Basic training. No security clearance required.

USAF - Enlisted E1-E7, Civilian GS4-GS8 (1000 Series) and wage grade equivalent. Normal color vision 20/20 as defined in AFI 48-123, Medical Examinations and Standards. High school graduate. Desired computer/art course. Produces AFSC E5ABD3V031-000 IAW AFMAN 36-2108. For award and retention of AFSC, eligibility for a Secret security clearance according to AFI 31-501, Personnel Security Program Management.

USMC - Enlisted E1-E5, GT-100 or higher. Normal color vision, U.S. citizen. Proof of artistic ability required, security clearance IAW US MC MOS Manual MCO P1200.7.

USN - Enlisted E1-E6; civilian GS5 – GS11, 1200 series. Distance visual acuity correctable to 20/20, normal color vision. Illustrator Draftsman Mate rate required. No security clearance required.

CLASS SIZE:

MAXIMUM 30

MINIMUM 8

ANNUAL COURSE CAPACITY 240

COURSE LENGTH: 66 Training Days

ACADEMIC HOURS: 520 Hrs

ADMINISTRATIVE HOURS: 8 Hrs

TOTAL COURSE HOURS: 528 Hrs

INSTRUCTOR CONTACT HOURS: 1980 Hrs

TYPE/METHOD OF INSTRUCTION:

Administrative (AD) - 8 Hrs

Lecture (L) - 37.5 Hrs

Demonstration (D) -30 Hrs

Demonstration/ Performance Exercise (D/PE) – 29 Hrs

Computer-Aided Instruction (CAI) – 7.0 Hrs

Computer-Aided Instruction/ Performance Exercise (CAI/ PE) – 6 Hrs

Performance Exercise (PE) – 280 Hrs

Examination

Performance (EP) –124.5 Hrs

Written (EW) - 6 Hrs

TRAINING START DATE: July 2005

ENVIRONMENTAL IMPACT: None. DoD policy was followed to assess the environmental impact.

MANPOWER: The Interservice Training Review Organization (ITRO) formula was used to determine the number of instructors required.

EQUIPMENT and FACILITIES: The Course Design Resource Estimate (CDRE) contains this information.

TRAINING DEVELOPMENT PROPONENT: Defense Information School, Course Development Department. (301) 677 – 3273; DSN 622 3273

FUNCTIONAL AREA 1 ILLUSTRATION AND DESIGN

TPFN: DINFOS-BMIC-001-001-

UNIT TITLE: Realistic Drawing (principles of realistic drawing)

TPFN HOURS AND TYPE: 7.5L; 2D; 38.5PE; 16EP; 2EW

TPFN TOTAL HOURS: 65

PREREQUISITE TPFN: N/A

TASK (S):	001	Identify safety hazards within a graphics shop.
	002	Identify security (procedures, precautions and levels of security).
	003	Discuss good customer relations (customer needs, work orders and priority of work).
	004	Use basic drawing tools and equipment.
	005	Define basic terms of realistic drawing.
	006	Apply the principles of realistic drawing using, form, proportion (grid, rectangle, plumbing), contour and shading.
	007	Describe and apply the principles of perspective.
	008	Produce combat documentation (reference sketches)
	009	Use an artwork file, Captions and Visual Information Record
		Identification Numbers (VIRIN).
	010	Operate a dry electrostatic copier.
	011	Measurement and feedback.

SUMMARY OF INSTRUCTION: During informal lecture, students learn terms, definitions, and procedures regarding safety and security within a graphics shop. Students discuss how to develop good customer relations and review work requests, and perform graphics operations using an artwork file, captions and VIRIN's. Students receive an overview of the principles of realistic drawing. Using the basic drawing tool and equipment, they create illustrations applying form, proportion (grid, rectangle, plumbing), contour, shading, and perspective. Students experience a Field Training Exercise developing combat documentation. An Interim and Final written examination will be administered during this functional area. Minimum passing grade is 70 percent on all performance and written examinations

REFERENCES: Student Study Guide, Extension Course Institute Air University CDC 3V051: Soldier's Manual and Trainer's Guide MOS 25M STP 11-25M13-SM-TG, Multimedia Illustrator; Illustrator Draftsman Manual DM NAVEDTRA 10472; Drawing on the Right Side of the Brain, J.P. Tarcher; applicable manufacturers' manuals.

INSTRUCTOR/STUDENT RATIO: 1:15(L, D,EW); 1:8(PE, EP)

SAFETY FACTORS: Injury hazard from sharp objects such as Craftsman knives; electrical hazards such as frayed power cords, cracked or missing outlet covers, exposure to liquids or excessive moisture; and tripping hazard from cables and cords from computer systems. Use caution so that electrical equipment is maintained in accordance with manufacturer's specifications and tools are stored properly in the taboret and Conduct a Risk Assessment prior to FTX.

FUNCTIONAL AREA 1 ILLUSTRATION AND DESIGN

TPFN: DINFOS-BMIC-001-002-

UNIT TITLE: Typography (fundamentals of typography)

TPFN HOURS AND TYPE: 2L

TPFN TOTAL HOURS: 2

PREREQUISITE TPFN: All previous TPFN's, art portfolio and sketchbook

TASK (S): 001 Identify the anatomy and categories of type.

SUMMARY OF INSTRUCTION: During an informal lecture, students are introduced to the fundamentals and principles of typography. Students learn the origins of the alphabet, the anatomy of type, categories of type, and the fundamentals of text layout. An Interim and Final written examination will be administered during this functional area. Minimum passing grade is 70 percent on written examinations.

REFERENCES: Student Study Guide; Extension Course Institute Air University CDC 3V051: Soldier's Manual and Trainer's Guide MOS 25M STP 11-25M13-SM-TG, Multimedia Illustrator; Illustrator Draftsman Manual DM NAVEDTRA 10472; applicable manufacturers' manuals.

INSTRUCTOR/STUDENT RATIO: 1:15(L)

SAFETY FACTORS: Injury hazard from sharp objects such as Craftsman knives; electrical hazards such as frayed power cords and cracked or missing outlet covers; electrocution hazard--ensure there is no standing water around electrical equipment and area is clean and clear of obstructions.

FUNCTIONAL AREA 1 ILLUSTRATION AND DESIGN

TPFN: DINFOS-BMIC-001-003-

UNIT TITLE: Layout and Design

TPFN HOURS AND TYPE: 4L; 3D; 69PE; 28EP; 1EW

TPFN TOTAL HOURS: 106

PREREQUISITE TPFN: All previous art portfolio and sketchbook

TASK (S): 001 Define basic terms of layout and design.

002 Identify elements of design.
003 Produce a design project.
004 Produce a layout project.

Produce a layout and design project.Measurement and feedback (FA1).

SUMMARY OF INSTRUCTION: During an informal lecture, students learn basic terms and definitions of the elements and principles of layout and design. Color is introduced as an integral element of design and is emphasized through out the course of instruction. Students apply principles of design and layout to create thumbnail sketches that bring about visual solutions to formal problems of concept and elemental organization. Students develop roughs, apply principles of color theory and color harmony, and refine their layout. A finished comprehensive is rendered using pre-determined media techniques. An Interim and Final written examination will be administered during this functional area. Minimum passing grade is 70 percent of graded items on both the performance examination and a written examination.

REFERENCES: Student Study Guide; Extension Course Institute Air University CDC 3V051: Soldier's Manual and Trainer's Guide MOS 25M STP 11-25M13-SM-TG, Multimedia Illustrator; Illustrator Draftsman Manual DM NAVEDTRA 10472; applicable manufacturers' manuals.

INSTRUCTOR/STUDENT RATIO: 1:15 (L, D, EW) 1:8 (PE, EP)

SAFETY FACTORS: Injury hazard from sharp objects such as Craftsman knives; electrical hazards such as frayed power cords and cracked or missing outlet covers; electrocution hazard--ensure there is no standing water around electrical equipment and area is clean and clear of obstructions.

TPFN: DINFOS-BMIC-002-001-

UNIT TITLE: Computer Fundamentals

TPFN HOURS AND TYPE: 1L; 2.5D; 1CAI, 1.5PE

TPFN TOTAL HOURS: 6

PREREQUISITE TPFN: All previous art portfolios and sketchbook

TASK (S): 001 Define basic terms about computer hardware and software.

OO2 Perform basic computer operations and basic troubleshooting procedures.

OO3 Perform computer systems and file management.

004 Use a local area network.

SUMMARY OF INSTRUCTION: During informal lecture, students will learn basic terms and definitions about computer hardware and software, computer setup, and system configuration. Through computer-assisted instructions and demonstration, students gain practical knowledge about a computer operating system, local area networks, and file management. Students will use a CAI self-paced module during the course of instruction. An Interim and Final written examination will be administered during this functional area. Minimum passing grade is 70 percent of graded items on both the performance examination and a written examination.

REFERENCES: Student Study Guide, Extension Course Institute Air University CDC 3V051; Soldier's Manual and Trainer's Guide MOS 25M STP 11-25M13-SM-TG, Multimedia Illustrator; Illustrator Draftsman Manual DM NAVEDTRA 10472; applicable manufacturers' manuals; Mac Basic Tutorial.

INSTRUCTOR/STUDENT RATIO: 1:15(L, CAI); 1:8(D)

SAFETY FACTORS: Electrical hazard from computer systems connections; tripping hazard from cable cords and subdued-lighted environment; Carpal Tunnel Syndrome possibility from the keyboard and mouse use.

TPFN: DINFOS-BMIC-002-002-

UNIT TITLE: Digital Page Layout and Design

TPFN HOURS AND TYPE: 4L; 1CAI; ; 1 PE

TPFN TOTAL HOURS: 6

PREREQUISITE TPFN: All previous TPFN's, art portfolios and sketchbook

TASK (S): 001 Identify the fundamentals of digital color theory and color harmony.

002 Identify elements of digital page layout and design.

003 Identify methods of printing reproduction and discuss general information

about service bureaus.

SUMMARY OF INSTRUCTION: During informal lecture, students receive information on the fundamentals of color theory, page layout, printing reproduction and service bureaus. Students will use a CAI self-paced module during the course of instruction. These tasks will be used and graded throughout the rest of the course of instruction. The grades will be given at the end of each lesson performance exercise. An Interim and Final written examination will be administered during this functional area. Minimum passing grade is 70 percent of graded items on both the performance examination and a written examination.

REFERENCES: Student Study Guide, Extension Course Institute Air University CDC 3V051; Soldier's Manual and Trainer's Guide MOS 25M STP 11-25M13-SM-TG, Multimedia Illustrator; Illustrator Draftsman Manual DM NAVEDTRA 10472; applicable manufacturers' manuals; Kodak Digital Learning Center, Digital Imaging Fundamentals, What is Color? http://www.kodak.com/US/en/digital/dlc/book3/chapter2/index.shtml

INSTRUCTOR/STUDENT RATIO: 1:15(L, CAI); 1:8(EP)

SAFETY FACTORS: Electrical hazard from computer systems connections; tripping hazard from cables cords and subdued-lighted environment; Carpal Tunnel Syndrome possibility from the keyboard and mouse use.

TPFN: DINFOS-BMIC-002-003-

UNIT TITLE: Vector-based graphic design

TPFN HOURS AND TYPE: 1 L; 7 D; 7 CAI/PE; 28 PE; 7 EP; 1 EW

TPFN TOTAL HOURS: 51

PREREQUISITE TPFN: All previous TPFN's, art portfolios and sketchbook

TASK (S): 001 Define basic terms about vector-based graphic design.

002 Use a digitizing tablet.

003 Use vector-based graphic design software.

004 Use a color printer and Plotter.

005 Interim measurement and feedback.

SUMMARY OF INSTRUCTION: During informal lecture, students learn basic terms and definitions about vector-based graphic design software. Through demonstration and performance exercise, students use vector-based graphic design. Students create an illustration project using vector graphics software and a color printer. Application of basic layout, design fundamentals and color theory are emphasized in all tasks. Students will use a CAI, self-paced module during the course of instruction. A performance examination covering the above tasks will be given at the end of this block of instruction. An Interim and Final written examination will be administered during this functional area. Minimum passing grade is 70 percent on all performance and written examinations.

REFERENCES: Student Study Guide, Extension Course Institute Air University CDC 3V051; Soldier's Manual and Trainer's Guide MOS 25M STP 11-25M13-SM-TG, Multimedia Illustrator; Illustrator Draftsman Manual DM NAVEDTRA 10472; applicable manufacturers' manuals; Adobe Illustrator tutorials; Kodak Digital Learning Center, Printer Technology. http://www.kodak.com/US/en/digital/dlc/book2/chapter2/index.shtml

INSTRUCTOR/STUDENT RATIO: 1:15(L, D); 1:8(CAI/PE, PE, EP)

SAFETY FACTORS: Electrical hazard from computer systems connections; tripping hazard from cables, cords and subdued-lighted environment; Carpal Tunnel Syndrome possibility from the keyboard and mouse use.

TPFN: DINFOS-BMIC-002-004 -

UNIT TITLE: Image Editing/Raster-based Design

TPFN HOURS AND TYPE: 2.5L; 14D; 29.5PE; 16EP

TPFN TOTAL HOURS: 62

PREREQUISITE TPFN: All previous TPFN's, art portfolios, and sketchbook

TASK(S): 001 Define basic terms about raster-based graphic design.

Define basic terms about image ethics and image editing.

003 Use image-editing software.

004 Use raster-based image design software.

005 Use a flatbed image scanner.

Use film scanner.Use a digital camera.

008 Apply image/data compression (lossy/lossless).

SUMMARY OF INSTRUCTION: During informal lecture, students learn basic terms and definitions of image ethics, image editing, raster-based software, scanners, and digital camera. Through a demonstration and performance exercise, students learn proper use of a flatbed image scanner, film scanner, digital camera, image/data compression techniques and use of image editing raster-based software. Students create illustrations using raster-based software. Application of basic layout, design fundamentals and color theory are emphasized in all tasks. A performance examination covering the above tasks will be given at the end of this block of instruction. An Interim and Final written examination will be administered during this functional area. Minimum passing grade is 70 percent on all performance and written examinations.

REFERENCES: Student Study Guide, Extension Course Institute Air University CDC 3V051; Soldier's Manual and Trainer's Guide MOS 25M STP 11-25M13-SM-TG, Multimedia Illustrator; Illustrator Draftsman Manual DM NAVEDTRA 10472; applicable manufacturers' manuals;

Adobe Photoshop tutorials; Kodak Digital Learning Center, Digital Imaging Fundamentals. http://www.kodak.com/US/en/digital/dlc/book3/chapter1/index.shtml

INSTRUCTOR/STUDENT RATIO: 1:15(L); 1:8(D, PE, EP)

SAFETY FACTORS: Electrical hazard from computer systems connections; tripping hazard from cables, cords, and subdued-lighted environment; Carpal Tunnel Syndrome possibility from the keyboard and mouse use.

TPFNDINFOS-BMIC-002-005-

UNIT TITLE: Desktop Publishing and Digital Graphic Design Project

TPFN HOURS AND TYPE: 1L; 5D; 19PE; 23EP; 2EW

TPFN TOTAL HOURS: 50

PREREQUISITE TPFN: All previous TPFN's, art portfolios, and sketchbook

TASK (S): 001 Define basic terms about desktop publishing.

002 Use elements of digital page layout and design.

OO3 Apply Vector and Raster techniques to create a hard copy desktop

publishing project.

004 Measurement and feedback (FA2).

SUMMARY OF INSTRUCTION: During informal lecture, students learn basic terms and definitions about desktop publishing and how to apply that information into a final publication. Through demonstration and performance exercise, students will use raster-based image editing, vector-based and desktop publishing software. Students will create a graded project using basic layout and design fundamentals, combining text and graphic images, elements of page layout, design fundamentals, color theory, in an electronic format. The project will be of original design, vector-based and raster based graphics, combined into a desktop publication and printed to a color printer. A performance examination covering the above tasks will be given at the end of this block of instruction. An Interim and Final written examination will be administered during this functional area. Minimum passing grade is 70 percent on all performance and written examinations.

REFERENCES: Student Study Guide, Extension Course Institute Air University CDC 3V051; Soldier's Manual and Trainer's Guide MOS 25M STP 11-25M13-SM-TG, Multimedia Illustrator; Illustrator Draftsman Manual DM NAVEDTRA 10472; applicable manufacturers' manuals.

Electronic Publishing Guide, Adobe Acrobat Publishing for the World Wide Web or CD-Rom.

INSTRUCTOR/STUDENT RATIO: 1:15(L, EW); 1:8(PE, EP)

SAFETY FACTORS: Electrical hazard from computer systems connections; tripping hazard from cables cords and subdued-lighted environment; Carpal Tunnel Syndrome possibility from the keyboard and mouse use.

TPFN: DINFOS-BMIC-003-001-

UNIT TITLE: Presentation Techniques

TPFN HOURS AND TYPE: 4L; 8D/PE; 20PE; 8EP

TPFN TOTAL HOURS: 40

PREREQUISITE TPFN: All previous TPFN's, art portfolio, and sketchbook

TASK(S): 001 Define basic terms and design principles of projected media, to include overhead viewgraphs, 35mm slides, film recorders, electronic projection systems and emerging technology.

- 002 Define basic terms and characteristics of electronic presentation software, to include formats, slide master, text features, import options, output options, organization and emerging technology.
- 003 Define charts and graphs, to include types of charts, their purpose, the elements of a chart, and design considerations.
- 004 Explain basic terms and concepts for video teleconferencing to include operating principles, equipment and system management.
- 005 Use presentation software to create an electronic presentation that incorporates raster images, vector images, digital audio-video, basic animation, charts and hypermedia.
- O06 Set up a presentation using various projection systems in varying environments.

SUMMARY OF INSTRUCTION: During informal lecture, students learn basic terms, characteristics, and definitions of presentation software, to include projected media, overhead viewgraphs, 35mm slides, electronic presentations, charts and graphs, basic animation, digital audio-video and video teleconferencing. Through demonstration and performance exercise, students use presentation software to create electronic presentations. A performance examination covering the above tasks will be given at the end of this block of instruction. An Interim and Final written examination will be administered during this functional area. Minimum passing grade is 70 percent on all performance and written examinations.

REFERENCES: Student Study Guide, Extension Course Institute Air University CDC 3V051; Soldier's Manual and Trainer's Guide MOS 25M STP 11-25M13-SM-TG, Multimedia Illustrator; Illustrator Draftsman Manual DM NAVEDTRA 10472; applicable manufacturers' manuals.

INSTRUCTOR/STUDENT RATIO: 1:15(L); 1:8(D/PE, PE, EP)

SAFETY FACTORS: Electrical hazard from computer systems connections; tripping hazard from cables, cords and a subdued lighted environment.

TPFN: DINFOS-BMIC-003-002-

UNIT TITLE: Digital Audio and Digital Video

TPFN HOURS AND TYPE: 3L; 5D/PE; 8PE; 1EW

TPFN TOTAL HOURS: 17

PREREQUISITE TPFN: All previous TPFN's, art portfolio, and sketchbook

TASK(S): 001 Define basic terms, concepts, and procedures for digitizing, editing, and saving digital audio files.

002 Define basic terms, concepts, and procedures for digitizing, editing, compressing, and saving digital video files.

003 Define basic terms about weapons systems imagery and product distribution.

004 Use digital audio and digital video software.

005 Measurement and feedback.

SUMMARY OF INSTRUCTION: During informal lecture, students learn basic terms and definitions about digital audio, digital video, armament delivery recordings, imagery captions, video recorders, and product distribution. During a guided demonstration, students will use digital audio and digital video software to complete a performance exercise. An Interim and Final written examination will be administered during this functional area. Minimum passing grade is 70 percent on all performance and written examinations.

REFERENCES: Student Study Guide; Extension Course Institute Air University CDC 3V051; Soldier's Manual and Trainer's Guide MOS 25M STP 11-25M13-SM-TG, Multimedia Illustrator; Illustrator Draftsman Manual DM NAVEDTRA 10472; applicable manufacturers' manuals.

INSTRUCTOR/STUDENT RATIO: 1:15(L); 1:8(D/PE, PE)

SAFETY FACTORS: Electrical hazard from computer systems connections; tripping hazard from cables, cords and a subdued lighted environment.

TPFN: DINFOS-BMIC-003-003-

UNIT TITLE: Web Page and the Internet

TPFN HOURS AND TYPE: 2L; 1CAI; 8D/PE; 30PE; 14EP

TPFN TOTAL HOURS: 55

PREREQUISITE TPFN: All previous TPFN's, art portfolio, and sketchbook

TASK(S): 001 Define basic terms about image/data transmission and satellites.

002 Describe telecommunications software.

003 Create a Web site with web page design software.

004 Transmit data via telecommunications.

005 Define Policies and regulations governing web sites.

SUMMARY OF INSTRUCTION: During informal lecture, students learn basic terms and definitions of image/data transmission such as transferring graphical data from server to server, modulation techniques such as FTP, HTTP, satellites, and Web page design. Through demonstration and performance exercises, students use the Internet, Web browser, Web page design software, and transmit data via telecommunications. Students will use a CAI, self-paced module during the course of instruction. A performance examination covering the above tasks will be administered at the end of this block of instruction. An Interim and Final written examination will be administered during this functional area. Minimum passing grade is 70 percent on all performance and written examinations.

REFERENCES: Student Study Guide; Extension Course Institute Air University CDC 3V051; Soldier's Manual and Trainer's Guide MOS 25M STP 11-25M13-SM-TG, Multimedia Illustrator; Illustrator Draftsman Manual DM NAVEDTRA 10472; applicable manufacturers' manuals.

INSTRUCTOR/STUDENT RATIO: 1:15(L, CAI); 1:8(D/PE, PE, EP)

SAFETY FACTORS: Electrical hazard from computer systems connections; tripping hazard from cables, cords, and a subdued lighted environment.

TPFN: DINFOS-BMIC-003-004-

UNIT TITLE: Multimedia Authoring Software

TPFN HOURS AND TYPE: 2L; 2CAI; 8D/EP; 38PE; 8EP; 2EW

TPFN TOTAL HOURS: 60

PREREQUISITE TPFN: All previous TPFN's, art portfolio, and sketchbook

TASK(S): 001 Define basic terms, concepts, and procedures for multimedia authoring and animation.

Use multimedia-authoring software to produce an interactive multimedia project, to include archiving images on recordable CD's.

003 Create animation

004 Use internal/external-archived images.

005 Measurement and feedback (FA 3).

SUMMARY OF INSTRUCTION: During informal lecture, students learn basic terms and definitions about multimedia authoring and animation. Through demonstration and performance exercises, students use multimedia software, animation software, recordable and photo CDs, and internal/external archived images to create an interactive multimedia project. Students will use a CAI, self-paced module during the course of instruction. A performance examination covering the above tasks will be administered at the end of this block of instruction. An Interim and Final written examination will be administered during this functional area. Minimum passing grade is 70 percent on all performance and written examinations.

REFERENCES: Student Study Guide; Extension Course Institute Air University CDC 3V051; Soldier's Manual and Trainer's Guide MOS 25M STP 11-25M13-SM-TG, Multimedia Illustrator; Illustrator Draftsman Manual DM NAVEDTRA 10472; applicable manufacturers' manuals.

INSTRUCTOR/STUDENT RATIO: 1:15(L, CAI, D, EW); 1:8(D/ PE, EP)

SAFETY FACTORS: Electrical hazard from computer systems connections; tripping hazard from cables, cords and a subdued lighted environment.

FUNCTIONAL AREA 4 COURSE ADMINISTRATION

TPFN: DINFOS-BMIC-004-001-

UNIT TITLE: Course Administration

TPFN HOURS AND TYPE: 8AD

TPFN TOTAL HOURS: 8

PREREQUISITE TPFN: None

TASK(S): 001 Inprocessing/Orientation.

002 Course evaluation

003 Out-processing/Graduation

SUMMARY OF ACTIVITIES: Self-explanatory. Sketchbooks and a scheduled assignments list will be issued to students at the beginning of the course. Sketchbooks will be the faculty's means of observing student improvement to render their concepts to paper. The drawing assignments will be the determining factor for the Most Improved Sketchbook Award and the Best Sketchbook Award presented at graduation.

REFERENCES: DINFOS Policy and Procedure Manual

INSTRUCTOR/STUDENT RATIO: 1:30(AD)

SAFETY FACTORS: N/A